

SAAB





*Front cover: On the ground the Saab 99 4-door saloon.
In the air the Saab Viggen.
Above: The Saab 99 2-door saloon.*

The Saab 99 Engine

Designed and produced in Södertälje by Saab self-motivating small production groups, the four cylinder in-line 1985 cc engine combines a range of power output effective from low to high speeds with a miserly fuel consumption. A plus factor is the designed-in limitation of air-polluting emissions.



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The Saab Range

The range of Saab cars available in the UK consists of the five-version 1985 cc Saab 99 (plus the Super Automatics) and the 1498 cc V-4 Saab 96 and its estate version, the Saab 95.

All are on a straight evolutionary line from the famous original Saab 92 which was conceived as a natural use of the existing technical resources available in Saab's highly creative and effective aircraft company, coupled with the equally new thinking of their own computer design and manufacturing plants. While all the conventional testing routines are available to Saab, the extreme physical challenges which are posed and met in rallying, particularly in the sub-zero Scandinavian rallies, make incomparable testing grounds for projected innovations. The gain in safety margins on production cars is self-evident. Saabs are noted for their longevity and for their high resale value, a point to remember when calculating running costs. Check the used car lists—Saabs appear there very reluctantly and usually when the vendor has taken delivery of his new Saab! They are a very personal

and cherished purchase.

The design specification has from the start been set to provide fast, deeply comfortable, spacious, reliable and supremely safe motor cars. There is no doubt that this object has been realised most fully with the Saab 99.



The Saab 99

The body shape is designed to give exceptional stability, low fuel consumption and minimum wind noise.

The Saab engine (1) drives the front wheels, an inevitable 'active safety' design decision. Combined with the double wishbone front suspension (3), the light, controlled-attitude rear axle and the direct rack-and-pinion steering, it gives majestically positive but relaxed handling. The dual braking circuits are divided diagonally to maintain longitudinal control at all times.

The body construction (2) is welded as one-piece in steel of generous gauge, for extra strength in the right places. The

seats are surrounded by a rigid built-in unit of extra strong strut members. Fore and aft of this the boot and bonnet are deformable to absorb powerful forces safely. There is a strong steel firewall behind the engine and the petrol tank is safely screened away under the rear. Energy absorbing material is used in the roof and in the doors which also have lateral reinforcing struts.

The heating and ventilation system (4), fashioned to the needs of a Scandinavian winter, delivers a continuous thermostatically controlled change of air to the car interior at whatever temperature, hot or cold, is desired. The ducting specifically takes in the rear seat area and the rear window (for demisting support to the integral electric window-heating element). A two-speed booster fan ensures the correct rate of air-flow in any driving conditions. Directional controls allow selected air-flow for screen defrosting, foot warming, etc. Heat-up on cold days is predictably swift.

The driver's seat (5) and (6) is automatically heated when the temperature is less than 14°C, cutting

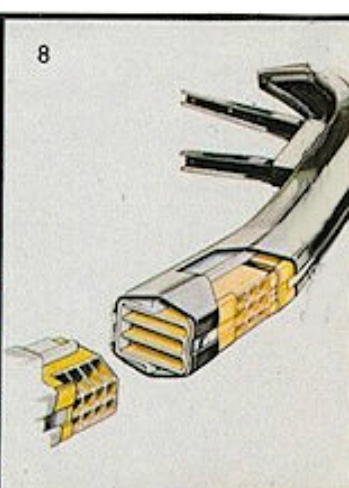
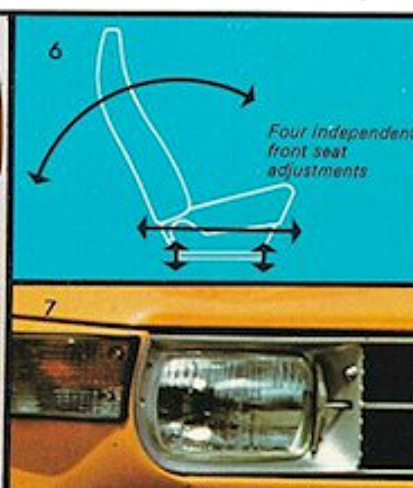
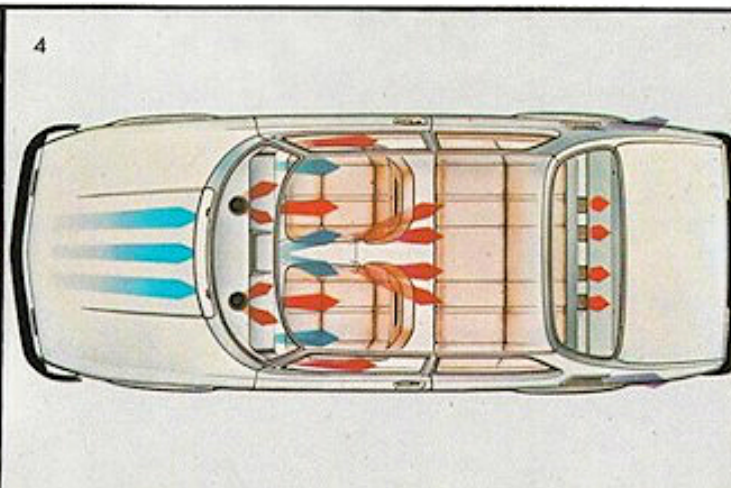
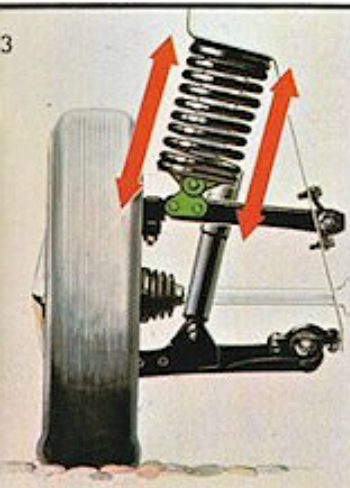
out at a comfortable 27°C.

It is genuinely fully adjustable for height, position and attitude. Careful scientific design of the steering wheel, dashboard and leg space reduces the chance of injury here. The deep forward curve of the windscreen puts it at an extra safe distance from the occupants.

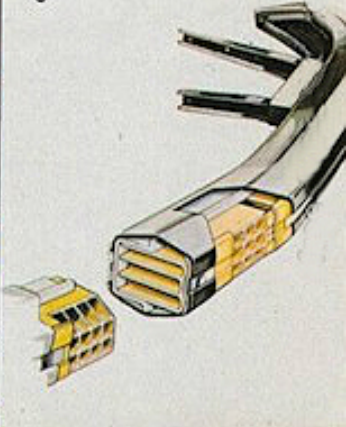
Headlamp wash/wipers (7), pioneered by Saab, are available on all models (standard on some). The front bonnet shape, without unnecessary projections, adds to pedestrian safety.

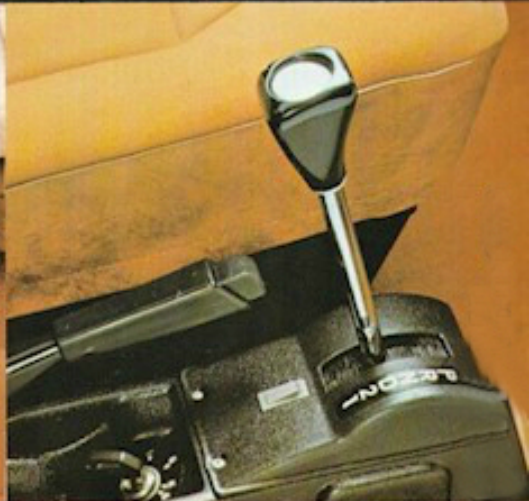
The impact-absorbing bumpers (8) are unique to Saab. The cellular plastic filling, in an aluminium casing, will fully recover shape after firm collisions up to 5 mph. Strong fixing struts prevent transmitted damage to the car itself.

The anti-corrosion protection is almost pernickety. It starts with an overall body primer applied electrolytically to find every tiniest crevice. All cavities are then sprayed internally with oil, joints are treated, so is the engine compartment, and an air-free underbody coating is sprayed on. After all this the body is (beautifully) painted!



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Saab 99 Interior

The driving position and 'cockpit' detail are based on ergonomic studies to enable the driver's full attention to be safely and comfortably on the road. As a result of this research all driving controls are placed for optimum efficiency and, due to front inertia seat belts that really work, driver movement is not restricted.

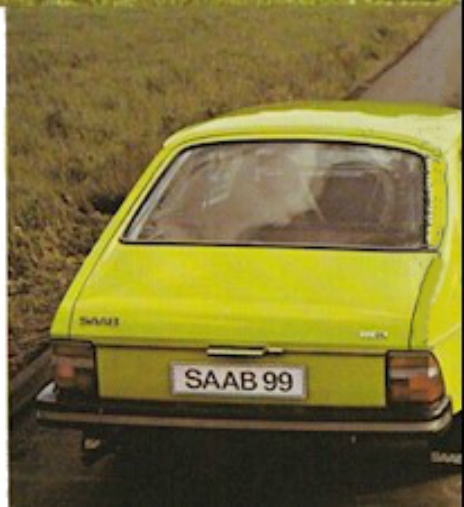
The same well-researched care has gone into the design of the passenger seats, concentrating on comfort and practicability. The rear seats of all models can be folded forward to nearly double the capacity of the large boot.

Automatic transmission is available on the 4-door and Combi-Coupé models.



The Saab 99 Combi-Coupé

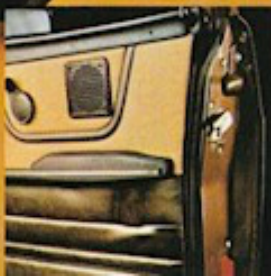
The 99 Combi-Coupé is an estate car with the looks of an elegant saloon. Extra length gives an available rear capacity of over 50 cu ft with the rear seats folded forward. Although a coupé, the interior provides full accommodation for five. The tailgate opens the whole of the back right down to floor level with no lip. The doors have extra width in the mouldings, for even more effective absorption of side impacts at hip level.





The Saab EMS

This version, the car for the '100%' driver, has built-in air spoiler, higher-g geared steering, fuel injection, stiffer springing, low profile tyres, aluminium wheels, tachometer, Bilstein gas shock absorbers, sports steering wheel and performance to match.



The Saab 99 GLE (Grand Luxe Executive)

The ultimate luxury version! The standard equipment includes both front seats heated, remote-controlled side mirrors, automatic transmission, tinted glass, fog lamps, stereo speakers in front doors, console for radio, head rests for five. The distinctive special trim emphasizes the innate quality and quiet luxury of this fine car.

The Saab 95 and 96

The Saab 96 saloon and its estate version, the 95, are close production-car kin to the famous rally-winning Saabs.

All the general points which are true of the 99 are equally true of these 1498 cc V-4 powered cars. They have tremendous stability, holding the road superbly. The low-drag profile, together with free-wheel transmission, gives very low fuel consumption. Starting characteristics in any weather are impeccable. The interior is modelled to a human scale of comfort, both for passengers and driver, who will have a heated seat.

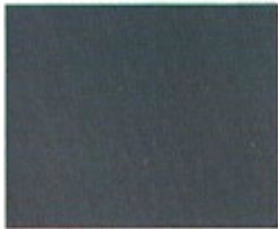
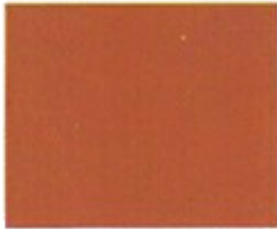
The 95 is a really capacious estate, with a practical hard-wearing interior and an air deflector to keep the rear window clean.

All-in-all, like all Saabs, these are cars that can be used hard, while remaining easy on their occupants and providing enjoyable stress-free driving.



Technical specifications	Saab 99 GL	Saab 99 GL Combi-Coupé	Saab 99 GLE/EMS	Saab 96 V4
Type of engine	4 cylinders in line	4 cylinders in line	4 cylinders in line	4 cylinders in Vee
Swept volume	1985 cm ³ (121.1 in. ³)	1985 cm ³ (121.1 in. ³)	1985 cm ³ (121.1 in. ³)	1498 cm ³ (91.4 in. ³)
Bore	90 mm (3.54 in.)	90 mm (3.54 in.)	90 mm (3.54 in.)	90 mm (3.54 in.)
Stroke	78 mm (3.07 in.)	78 mm (3.07 in.)	78 mm (3.07 in.)	58.86 mm (2.32 in.)
Compression ratio	9.2:1	9.2:1	9.2:1	9.0:1
Max. output, DIN	100 hp (73 kW) at 5200 rev./min	100 hp (73 kW) at 5200 rev./min	118 hp (87 kW) at 5500 rev./min	65 hp (48 kW) at 4700 rev./min
Max. torque, DIN	119 lbf. ft. (162 Nm) at 3500 rev./min	119 lbf. ft. (162 Nm) at 3500 rev./min	123 lbf. ft. (167 Nm) at 3700 rev./min	85 lbf. ft. (115 Nm) at 2500 rev./min
Camshaft position	overhead	overhead	overhead	central
Final drive ratio	3.89:1	3.89:1	GLE 3.9:1 (3-Speed Auto) EMS 3.89:1	4.88:1
Battery	12 V/60 Ah	12 V/60 Ah	12 V/60 Ah	12 V/44 Ah
Max. charging current	55 A	55 A	55 A	35 A
Petrol tank capacity	55 l (12 Imp. gals.)	55 l (12 Imp. gals.)	55 l (12 Imp. gals.)	38 l (8.4 Imp. gals.)
Octane requirement	97 RON	97 RON	97 RON	97 RON
Tyres	165 SR 15	165 SR 15 steel cord	165 SR 15 steel cord	155 SR 15
Overall length	4420 mm (14 ft. 6.0 in.)	4530 mm (14 ft. 10.3 in.)	4420 mm (14 ft. 6.0 in.)	4300 mm (14 ft. 1.3 in.)
Overall width	1690 mm (5 ft. 6.5 in.)	1690 mm (5 ft. 6.5 in.)	1690 mm (5 ft. 6.5 in.)	1590 mm (5 ft. 2.6 in.)
Height, unladen	1440 mm (4 ft. 8.7 in.)	1440 mm (4 ft. 8.7 in.)	1440 mm (4 ft. 8.7 in.)	1470 mm (4 ft. 9.9 in.)
Wheelbase	2473 mm (8 ft. 1.4 in.)	2473 mm (8 ft. 1.4 in.)	2473 mm (8 ft. 1.4 in.)	2498 mm (8 ft. 2.3 in.)
Track front	1400 mm (4 ft. 7.1 in.)	1400 mm (4 ft. 7.1 in.)	1400 mm (4 ft. 7.1 in.)	1240 mm (4 ft. 0.8 in.)
Track rear	1420 mm (4 ft. 7.9 in.)	1420 mm (4 ft. 7.9 in.)	1420 mm (4 ft. 7.9 in.)	1232 mm (4 ft. 0.5 in.)
Kerb weight, approx.	1160 – 1200 kg (2560 – 2650 lb.)	1190 – 1200 kg (2620 – 2650 lb.)	GLE 1220 (2690); EMS 1160 (2560)	930 kg (2050 lb.)
Max. total weight, approx.	1590 – 1630 kg (3510 – 3600 lb.)	1650 – 1660 kg (3640 – 3670 lb.)	GLE 1650 (3650); EMS 1590 (3510)	1350 kg (2975 lb.)
Regular trunk capacity, SAE	338 l (11.9 ft. ³)	381 l (13.5 ft. ³)	338 l (11.9 ft. ³)	210 l (7.4 ft. ³)
Load length with folded seat	1730 mm (5 ft. 8.0 in.)	1840 mm (6 ft. 0.4 in.)	1730 mm (5 ft. 8.0 in.)	1600 mm (5 ft. 3.0 in.)

Automatic transmission: The Saab 99 'Super Automatic' versions of the 99GL 4-door and the Combi-Coupé are fitted with a twin-carburettor engine producing 108 hp DIN at 5200 rev/min.

Body colour	Opal green	Caroliner blue	Orchid white	Sienna brown	Cinnabar red	Topaz yellow
						
Seats	Manila brown	Blue	Lion yellow	Beige	Manila brown	Lion yellow
Side trim	Manila brown	Blue	Lion yellow	Beige	Manila brown	Lion yellow
Carpet	Manila brown	Blue	Lion yellow	Manila brown	Manila brown	Lion yellow

Also available (on automatic models only) Sepia brown metallic with Lion yellow seats and trim, and Manila brown carpet

The manufacturer reserves the right to change specifications and equipment without notice.

The models described in this brochure

are equipped according to standard on the U.K. market. On other markets the equipment may digress from that presented here.

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